

Form PTO-1449 Equivalent	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 501.41142VX1	SERIAL NO. 10/806,097
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		<b>APPLICANT</b> OGAWA et al	
		<b>FILING DATE</b> March 23, 2004	<b>GROUP</b> 2871

**U.S. PATENT DOCUMENTS**

Ex. Initial	Doc. No.	Date	Name	Class	Subclass	Filing Date
~	AA	6,738,123	5/04	Takahashi et al		
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					

**U.S. PATENT APPLICATIONS**

	Publication Number	Name	Publication Date
AI			
AJ			
AK			
AL			

**FOREIGN PATENT DOCUMENTS**

	Doc. No.	Date	Country	Class	Subclass	Translation/Abstract?	
						Yes	No
AM							
AN							
AO							
AP							
AQ							

**OTHER DOCUMENTS**

AR	
AS	
AT	
Examiner	Date Considered
<i>T. J.</i>	9/1/04

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		FILING DATE March 23, 2004	GROUP 2871

## U.S. PATENT DOCUMENTS

Ex. Initial	Doc. No.	Date	Name	Class	Subclass	Filing Date
~	AA	5,877,543	3/99	Matsubara		
	AB					
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	AD					
	AE					
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## U.S. PATENT APPLICATIONS

	Publication Number	Name	Publication Date
	AI		
	AJ		
	AK		
	AL		

## FOREIGN PATENT DOCUMENTS

	Doc. No.	Date	Country	Class	Subclass	Translation/Abstract?	
						Yes	No
~	AM	5-100239	4/93	Japan		X	
	AN	10-261853	9/98	Japan		X	
J	AO	9-82751	3/97	Japan		Corresponds to Document AA	
U	AP	8-78471	3/96	Japan		X	
	AQ						

## OTHER DOCUMENTS

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	AT	
Examiner 		Date Considered 09/21/06

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U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 501.41142VX1  
Serial No. 10/806,097  
Applicant: K. OGAWA, et al  
Filing Date: March 23, 2004  
Group: 2871



U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
m	6,195,148 B1	2/01	Sasuga et al		

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
m 11-209713	8/99	Japan		X

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

Date Considered

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Draw line through citation if not in conformance and not considered. Include copy of this form with next  
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Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
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0 795 772 B1 11/02 European

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

Date Considered

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